

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/101644 A1

(51) International Patent Classification⁷: **B22C 9/08**,
B01D 29/03, 29/56

(21) International Application Number: PCT/EP02/11626

(22) International Filing Date: 17 October 2002 (17.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02012189.3 3 June 2002 (03.06.2002) EP

(71) Applicant (for all designated States except US): **CARBON APPLICATION TECHNOLOGY LTD.** [GB/GB];
Unit 2A, Hixon Industries Estate, Church Lane, Staffordshire ST18 0YP (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JUMA, Kassim** [DE/GB]; c/o, Unit 2A, Hixon Industries Estates, Church Lane, Staffordshire ST18 0YP (GB).

(74) Agents: **JÖNSSON HANS-PETER** et al.; **VON KREISLER SELTING WERNER**, Deichmannhaus am Dom, 50667 Köln (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

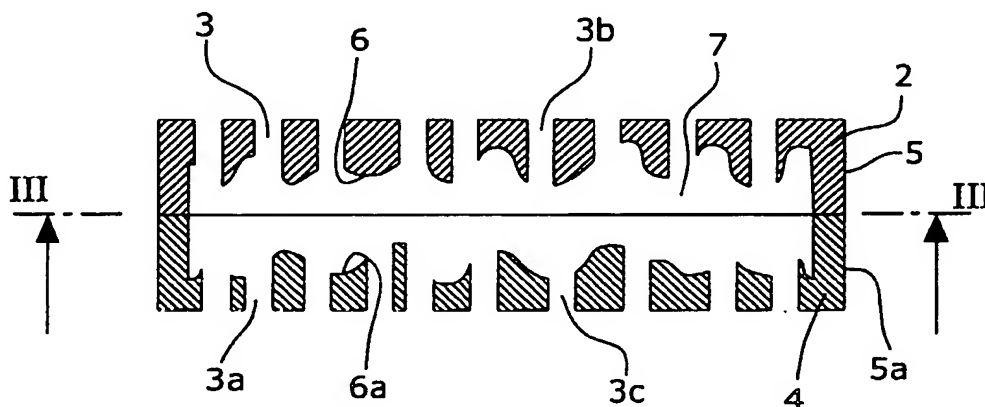
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FILTER DEVICE FOR MOLTEN STEEL FILTRATION



(57) Abstract: The invention relates to a filter device for molten steel filtration and a process for the preparation thereof. The filter device(1) comprising a bonded network of graphitized carbon for molten steel filtration characterized by the presence of at least two sieve plates (2,4) spaced apart to each other, in particular providing a reservoir chamber 7.

WO 03/101644 A1